

Fig. 1

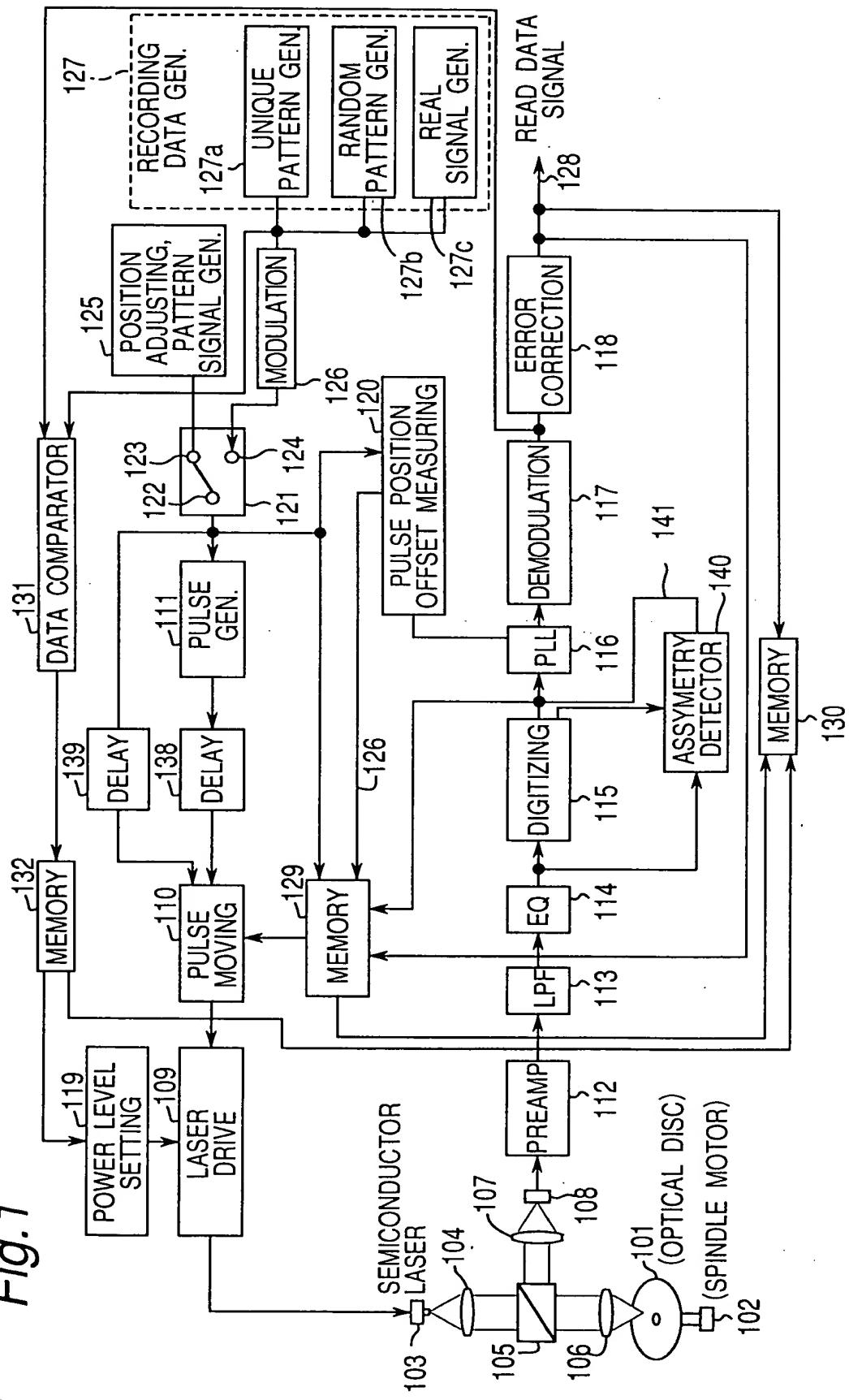


Fig.2

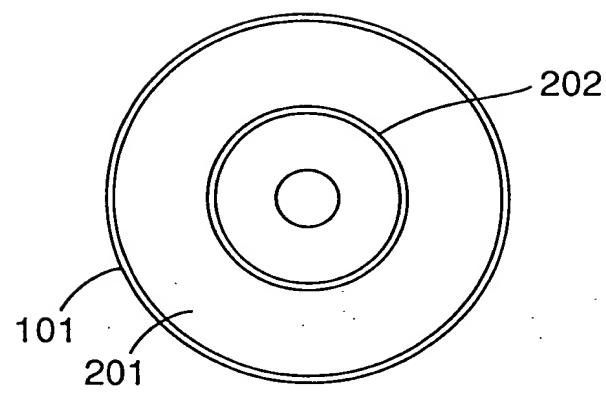


Fig.3

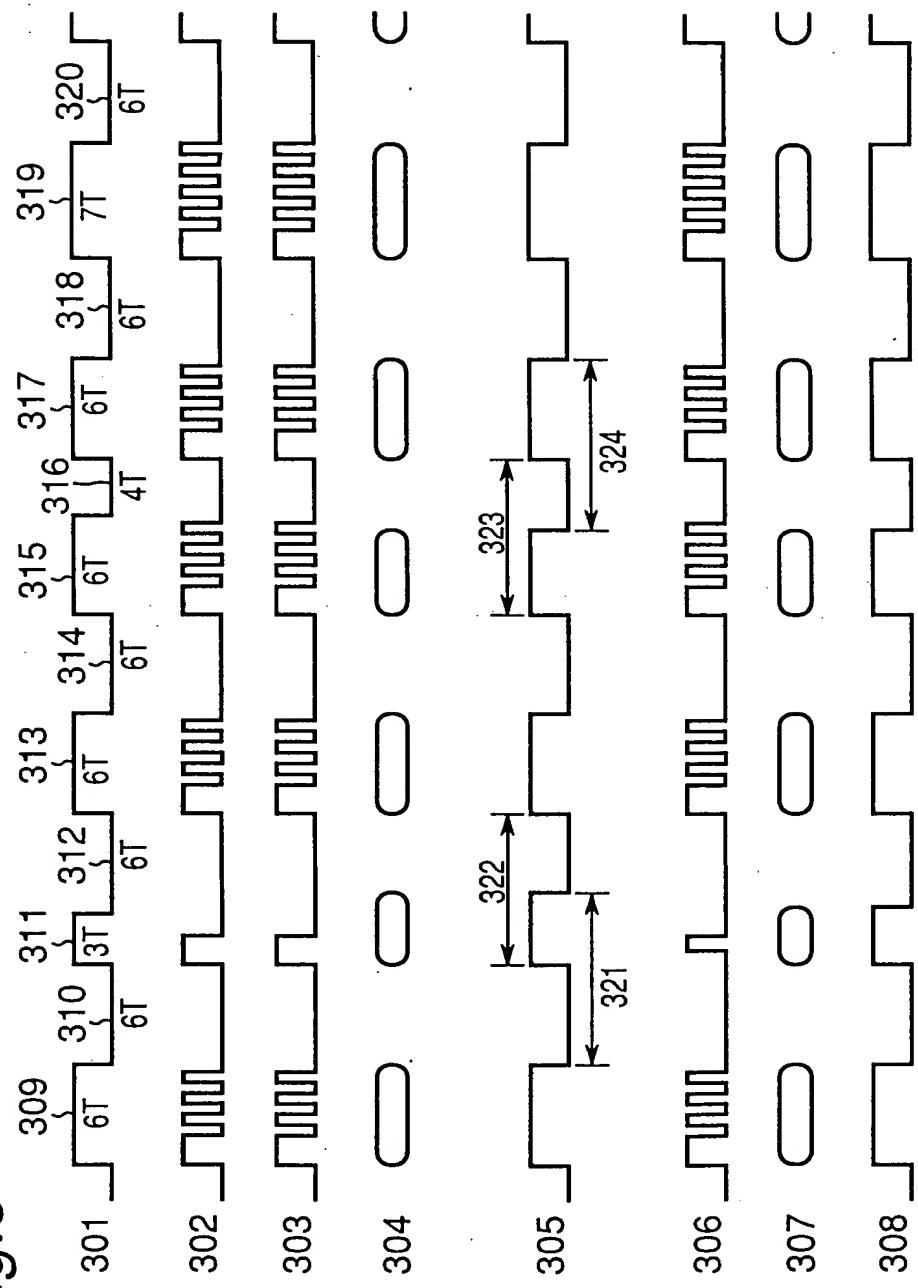
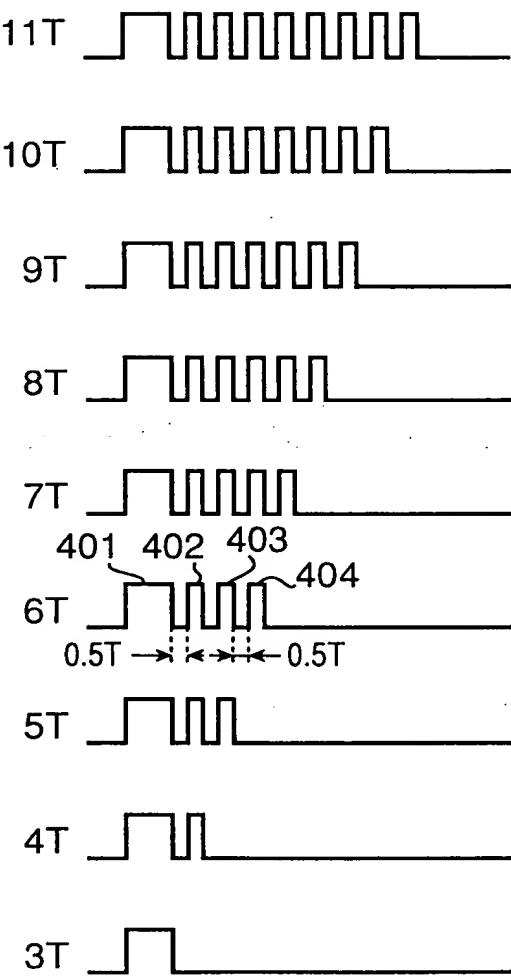


Fig.4



FIRST PULSE MOVEMENT (TF)	MARK SIGNAL			LAST PULSE MOVEMENT (TL)	MARK SIGNAL		
	$\geq 5T$	4T	3T		$\geq 5T$	4T	3T
$\geq 5T$	5S5M	5S4M	5S3M	$\geq 5T$	5M5S	4M5S	3M5S
4T	4S5M	4S4M	4S3M	4T	5M4S	4M4S	3M4S
3T	3S5M	3S4M	3S3M	3T	5M3S	4M3S	3M3S

Fig. 5A

FIRST PULSE MOVEMENT (TF)	MARK SIGNAL			LAST PULSE MOVEMENT (TL)	MARK SIGNAL		
	$\geq 5T$	4T	3T		$\geq 5T$	4T	3T
$\geq 5T$	5S5M0	5S4M0	5S3M0	$\geq 5T$	5M5S0	4M5S0	3M5S0
4T	4S5M0	4S4M0	4S3M0	4T	5M4S0	4M4S0	3M4S0
3T	3S5M0	3S4M0	3S3M0	3T	5M3S0	4M3S0	3M3S0

Fig. 5B

Fig. 6

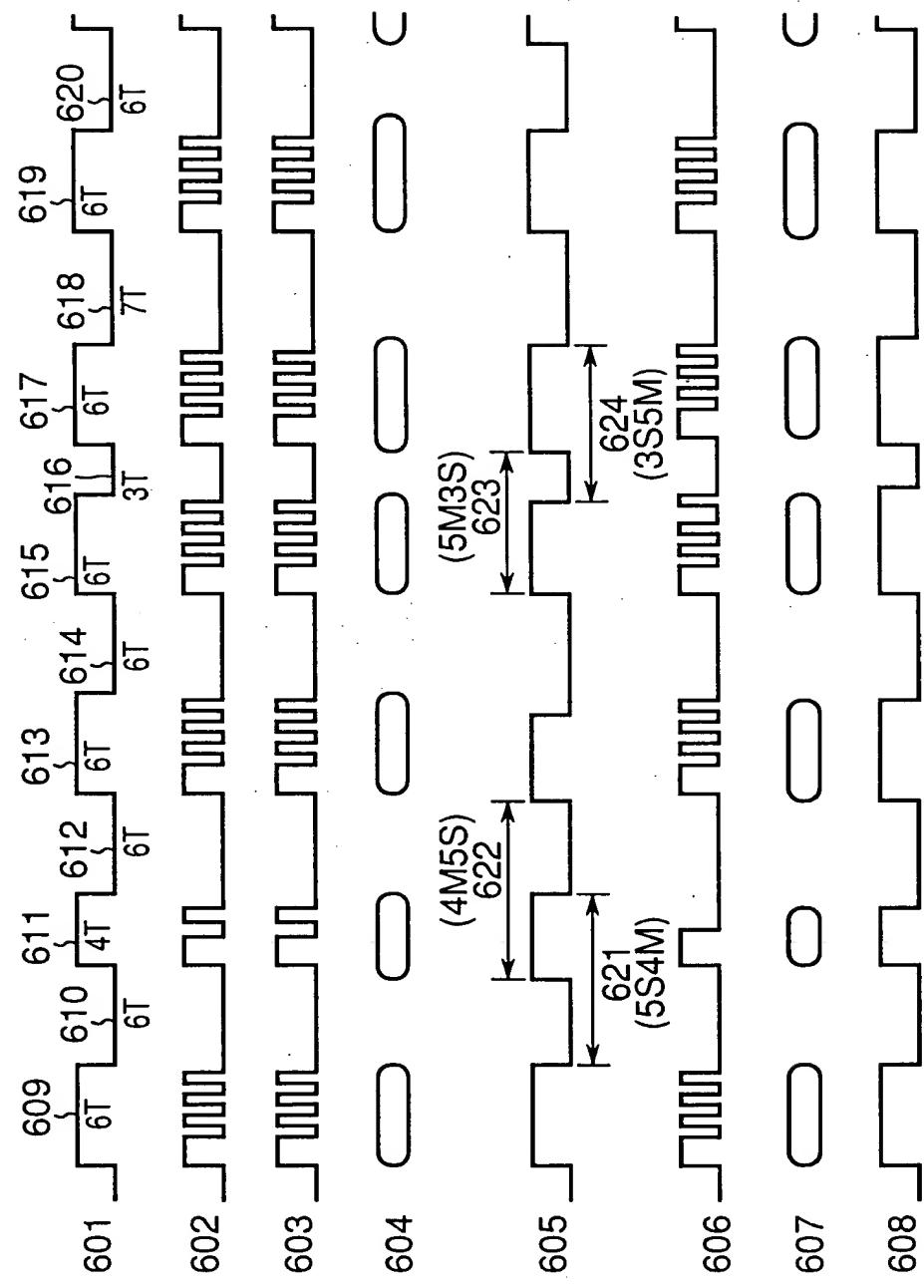


Fig. 7

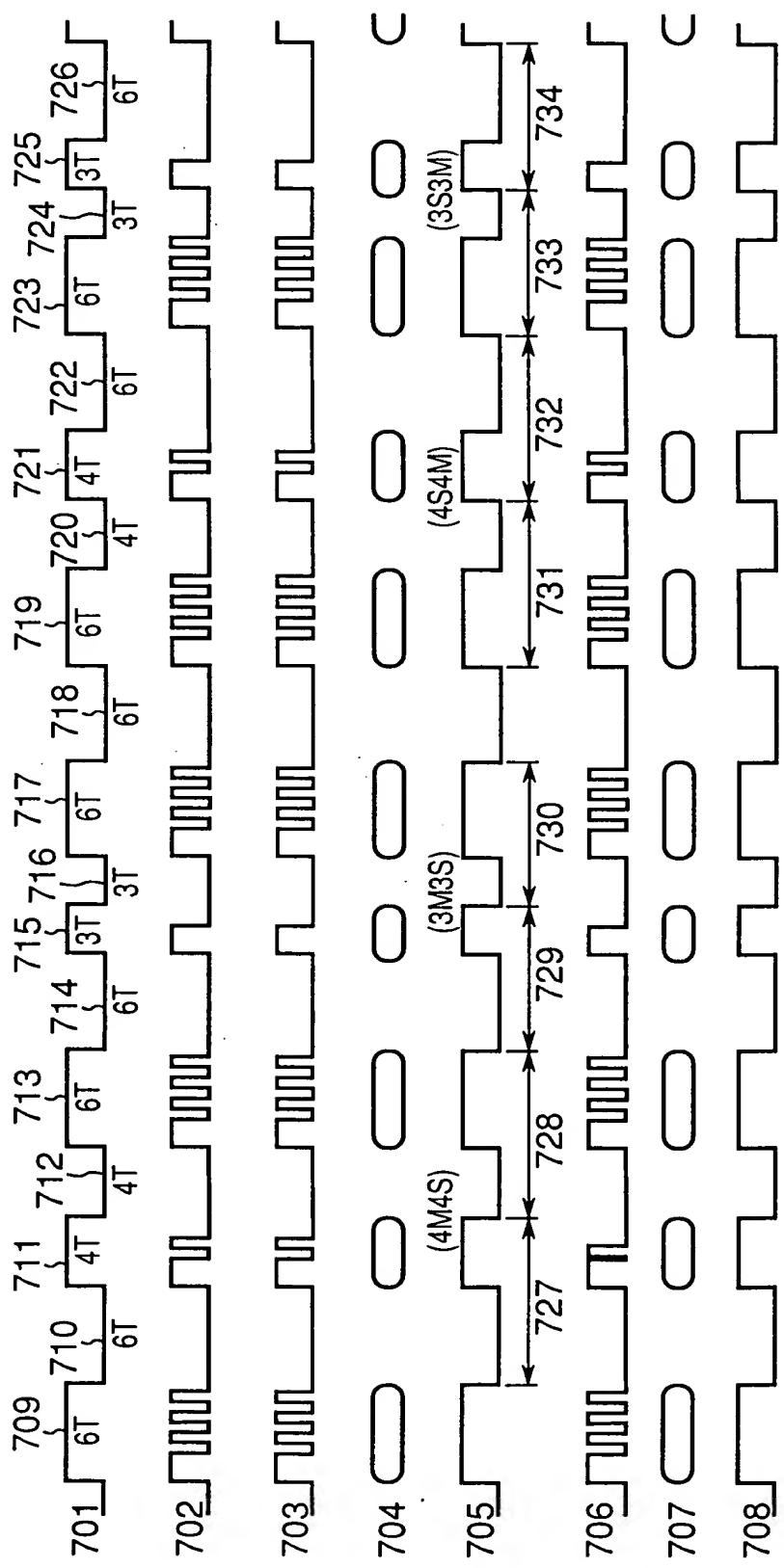


Fig.8

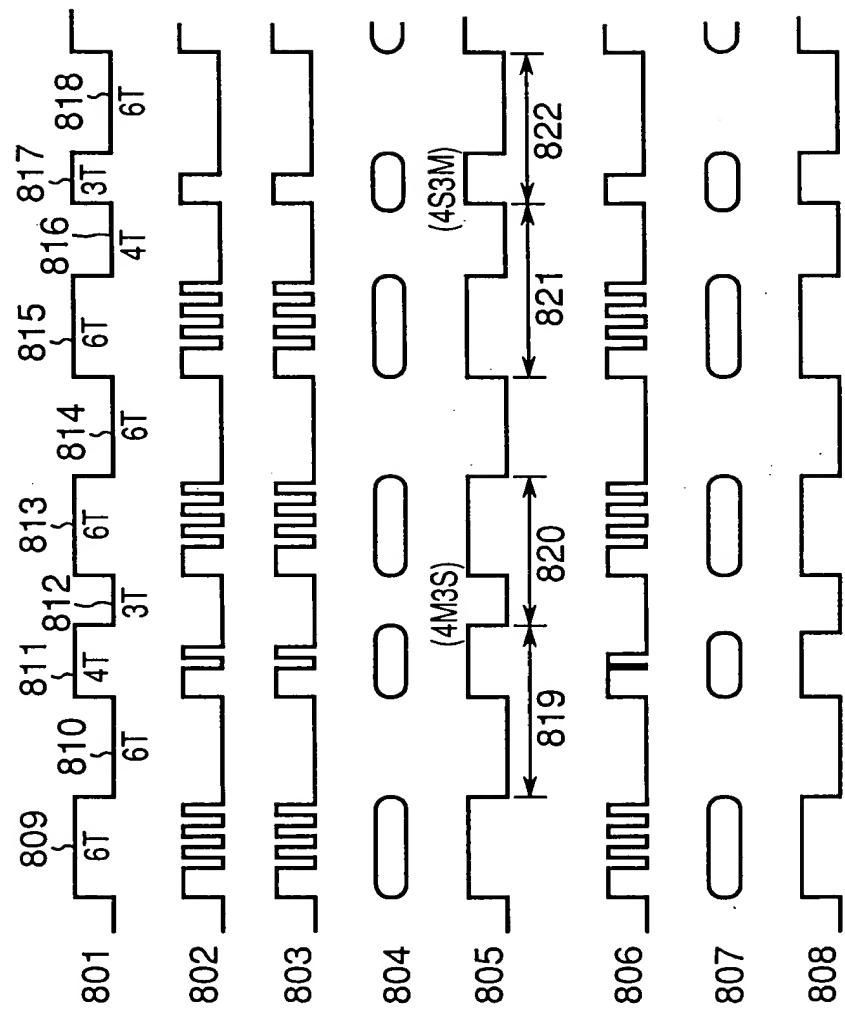


Fig. 9

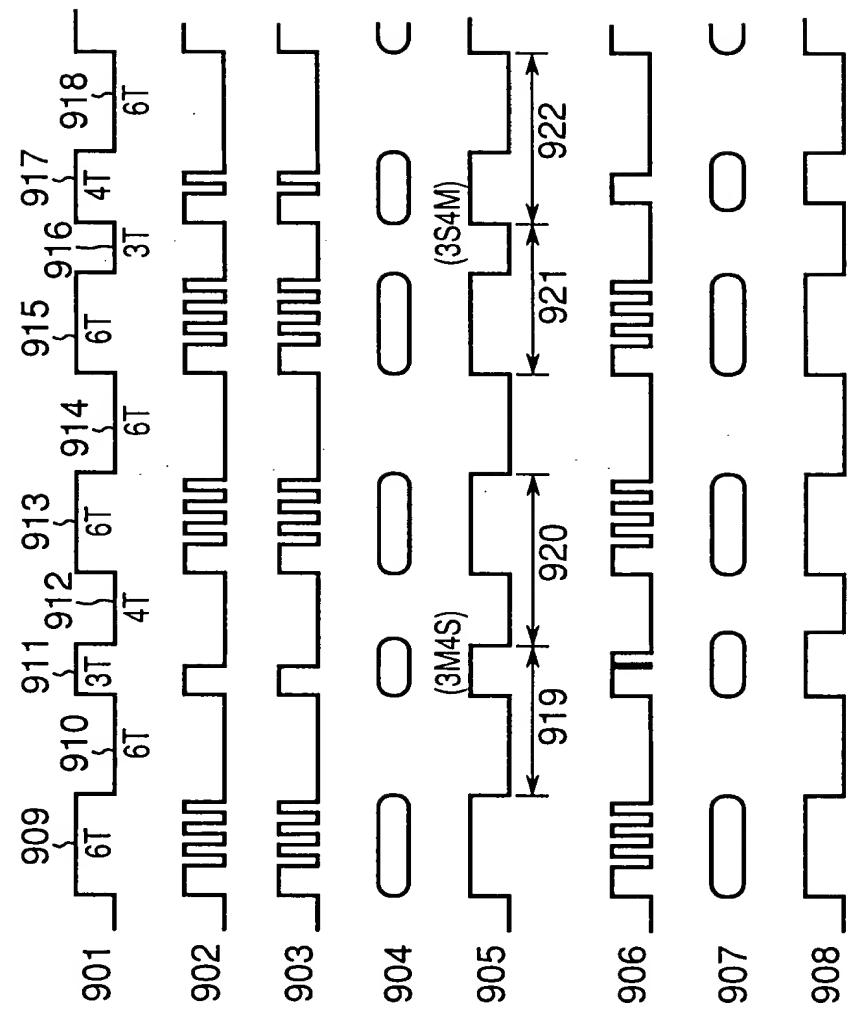


Fig. 10

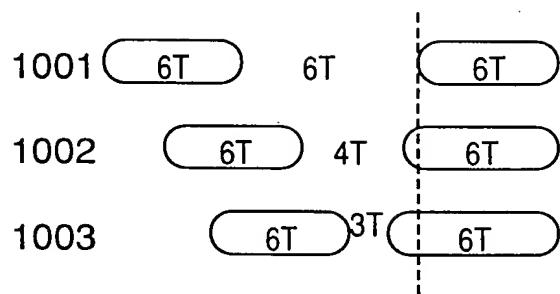


Fig. 11

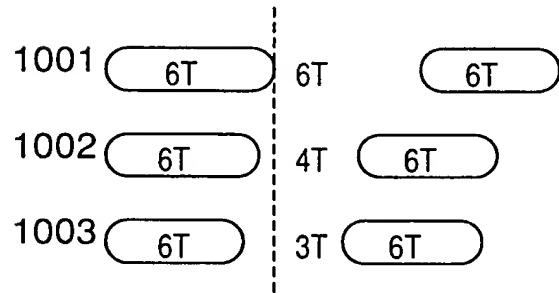


Fig. 12

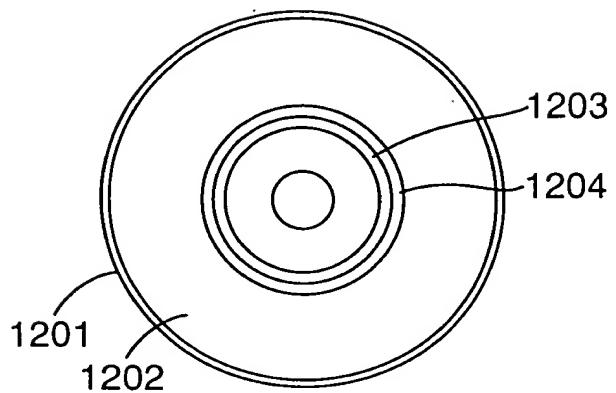


Fig. 13

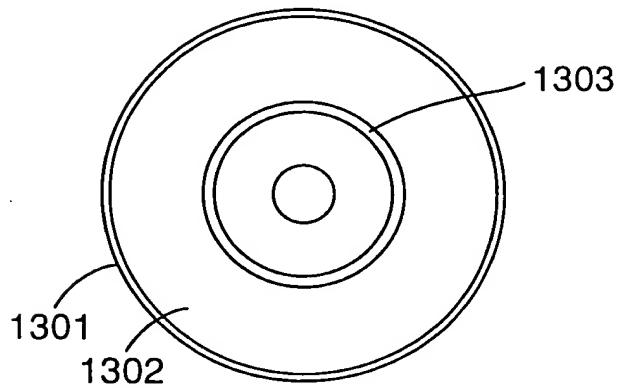


Fig. 14

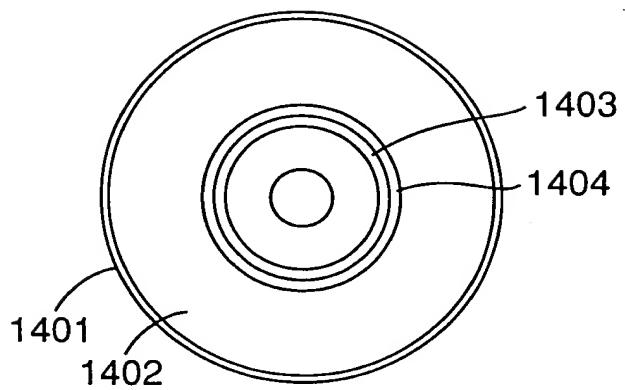


Fig. 15

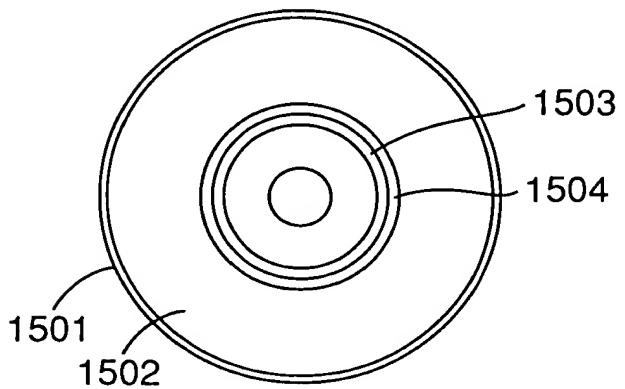


Fig. 16

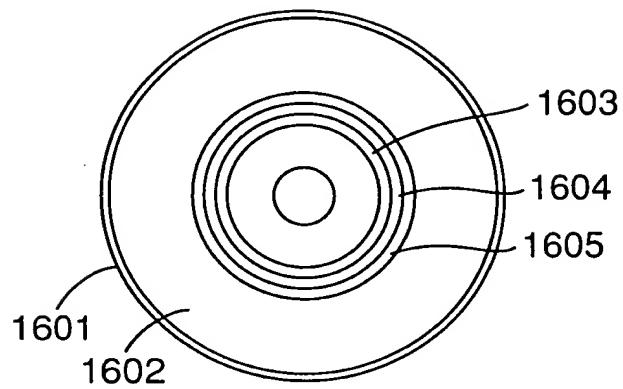


Fig. 17

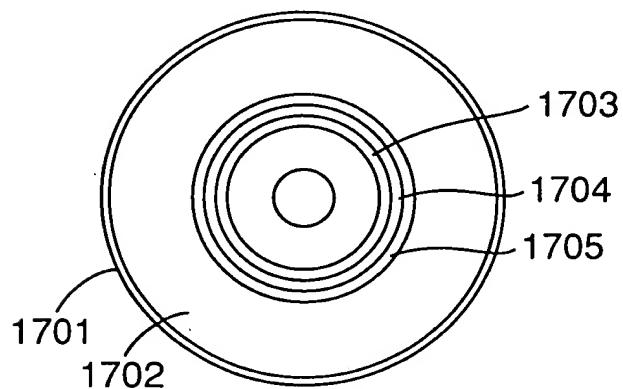


Fig. 18

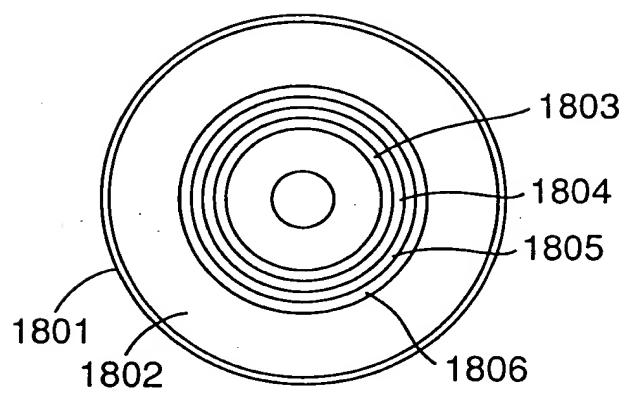


Fig. 19

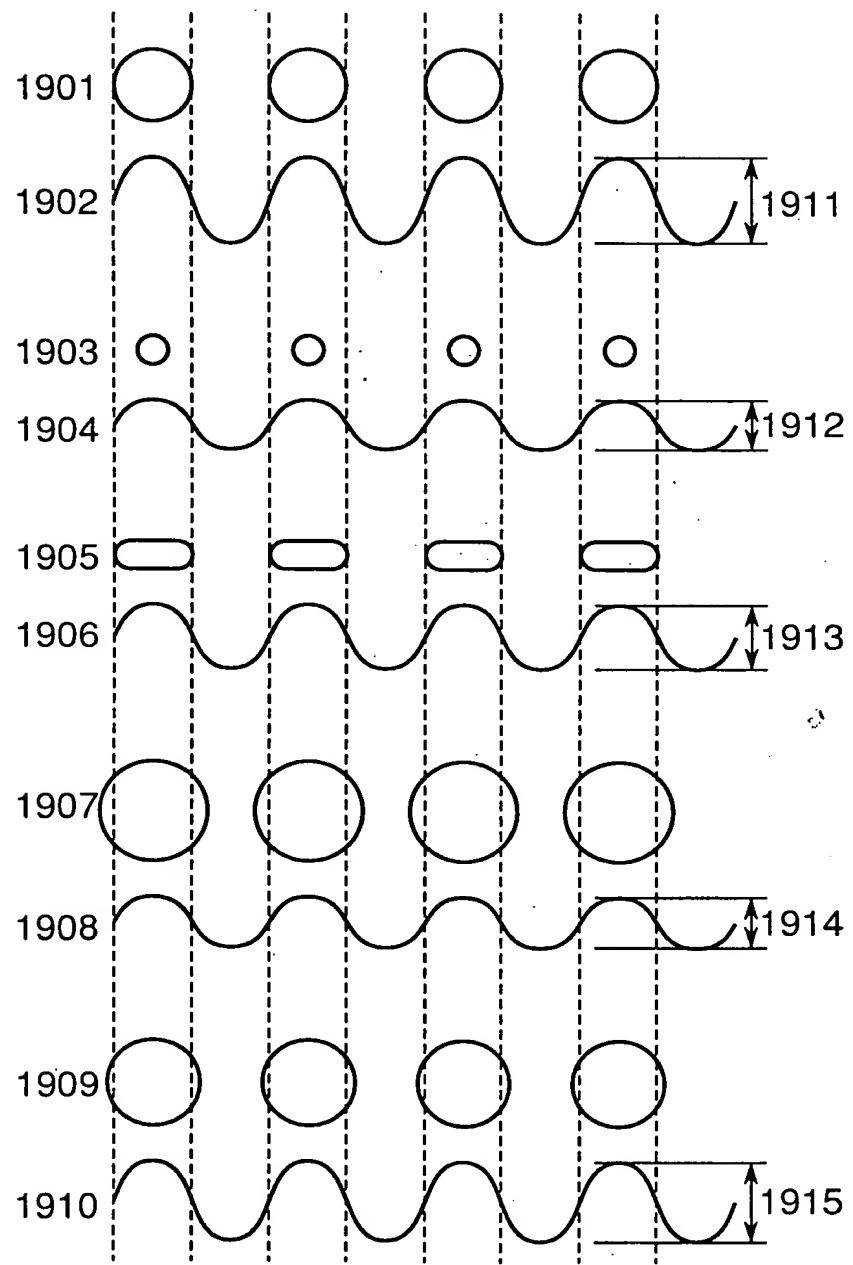


Fig.20A

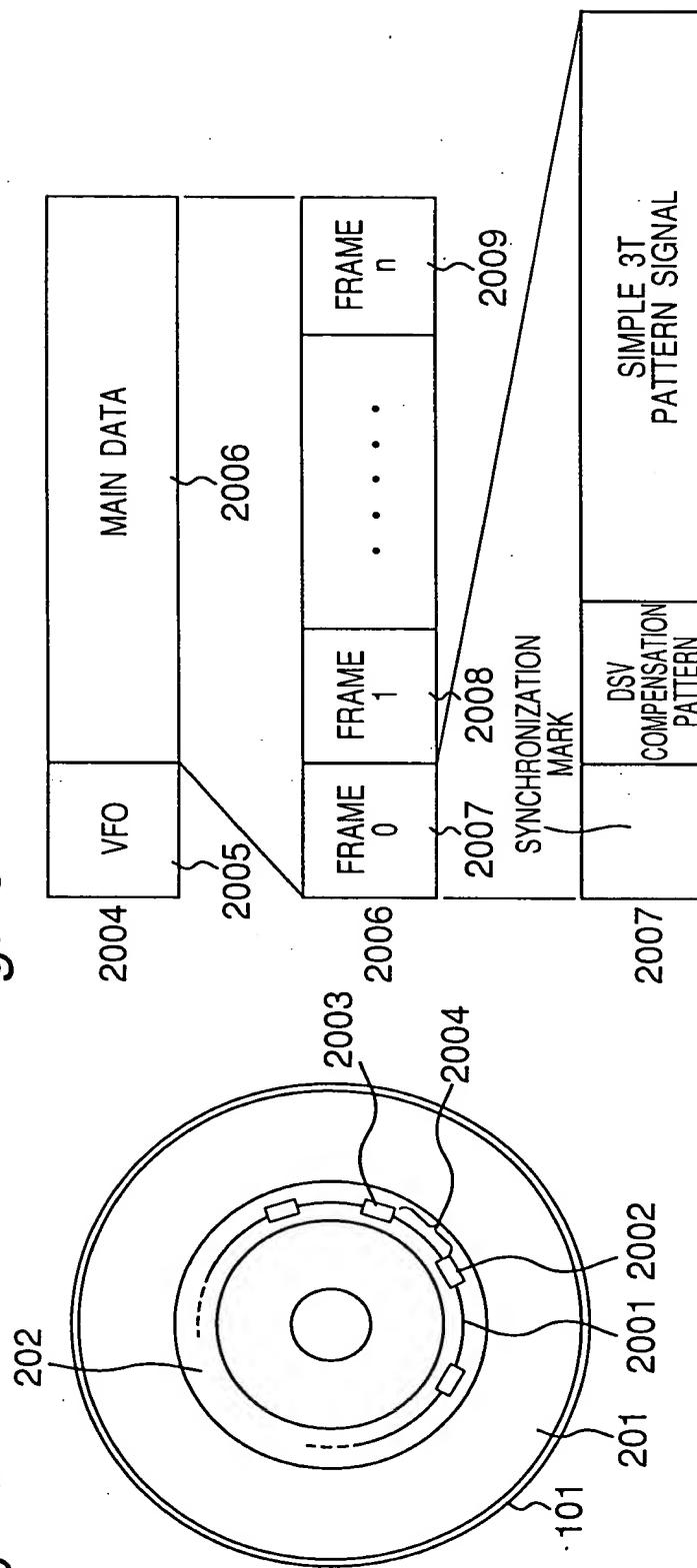


Fig.20B

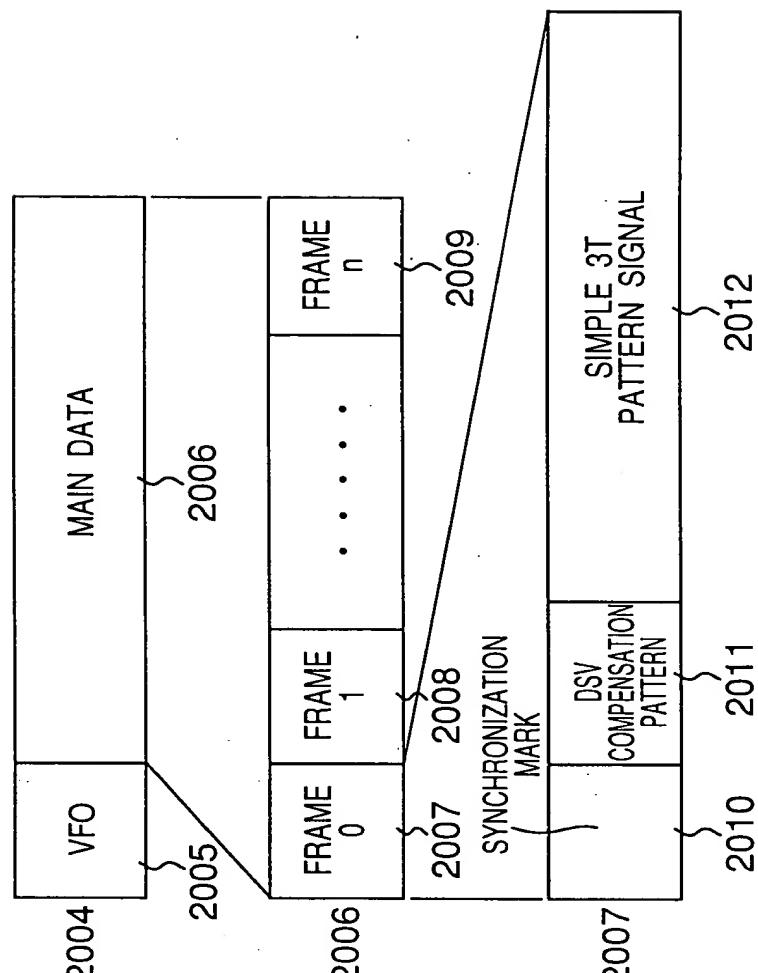


Fig.20C

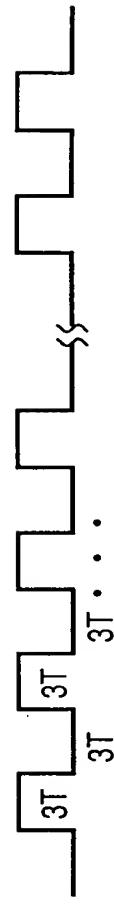


Fig.21

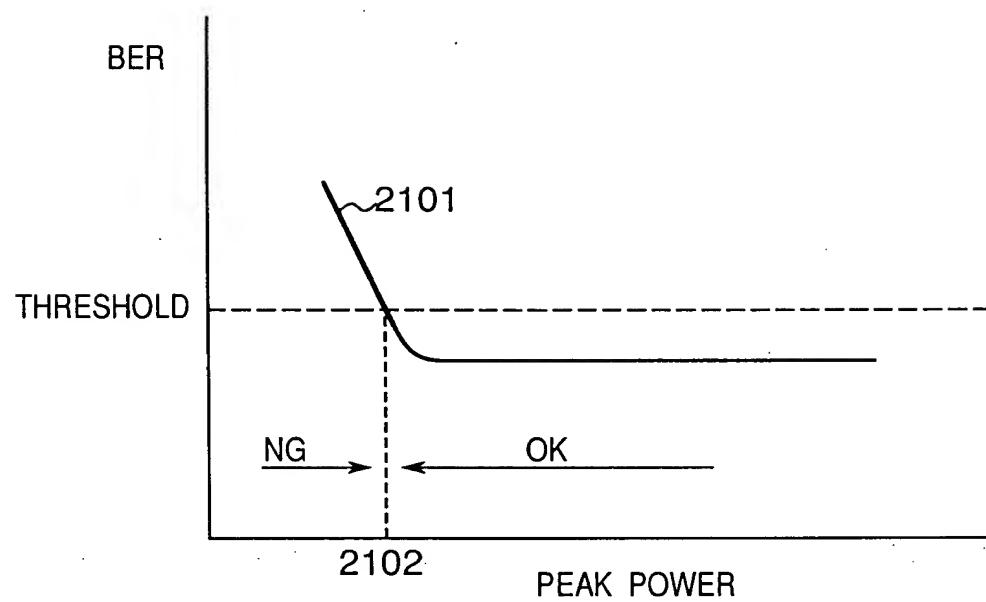


Fig.22

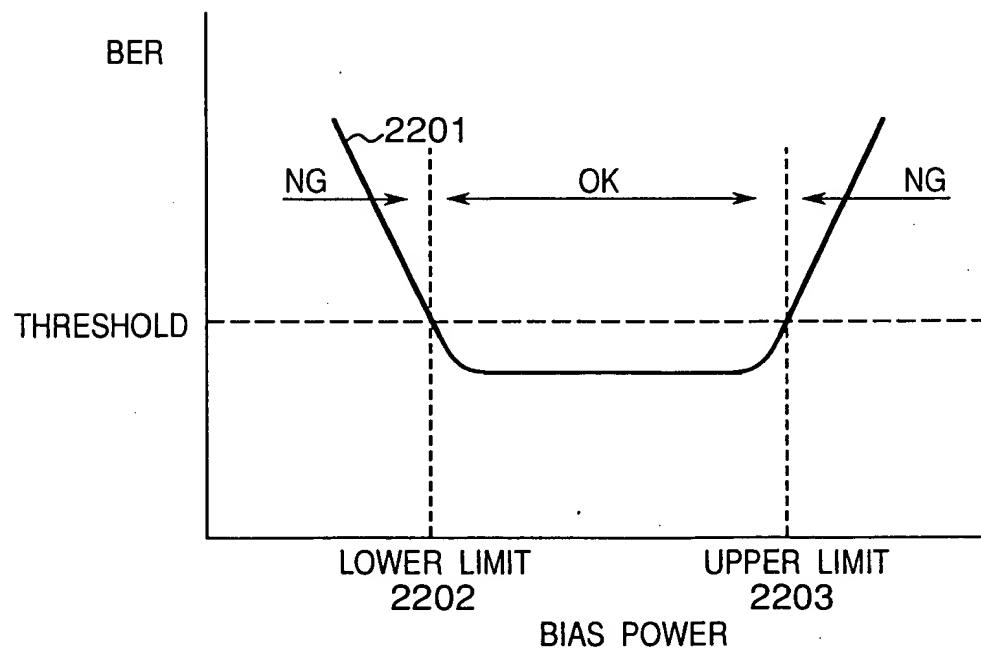


Fig.23

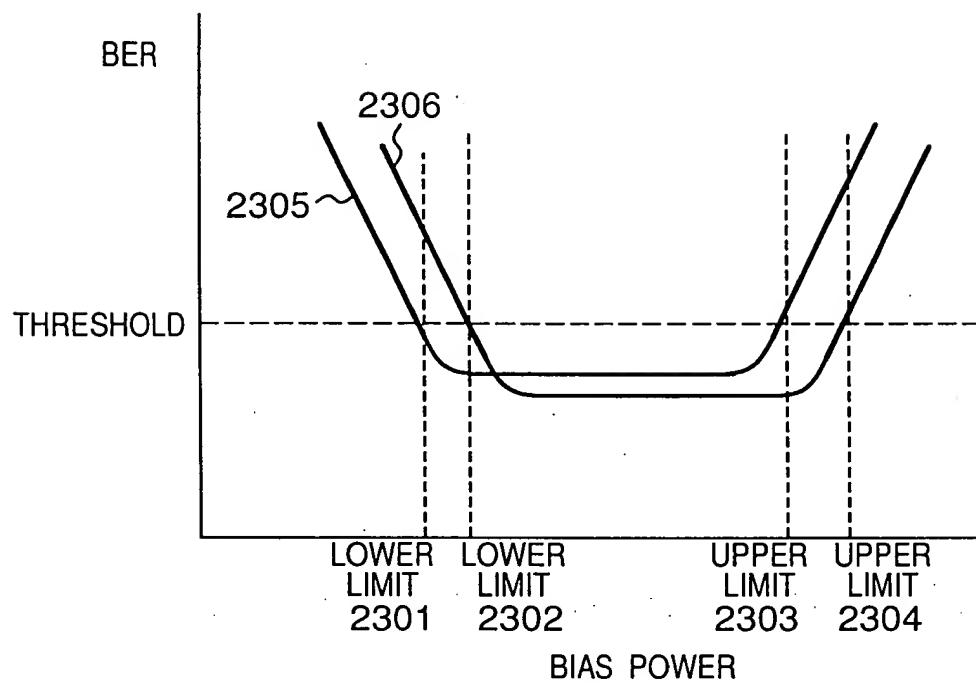


Fig.24

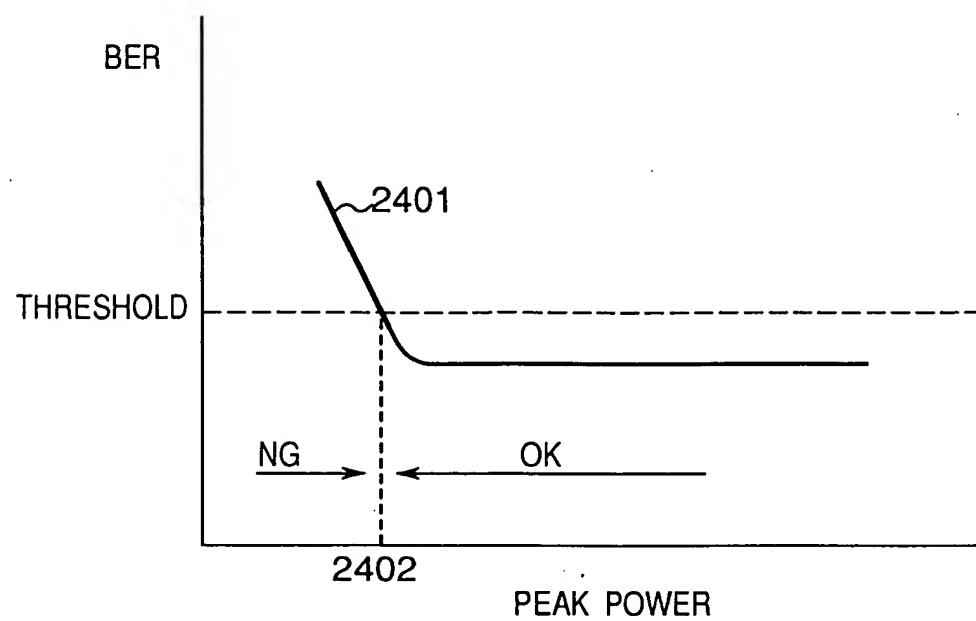


Fig.25

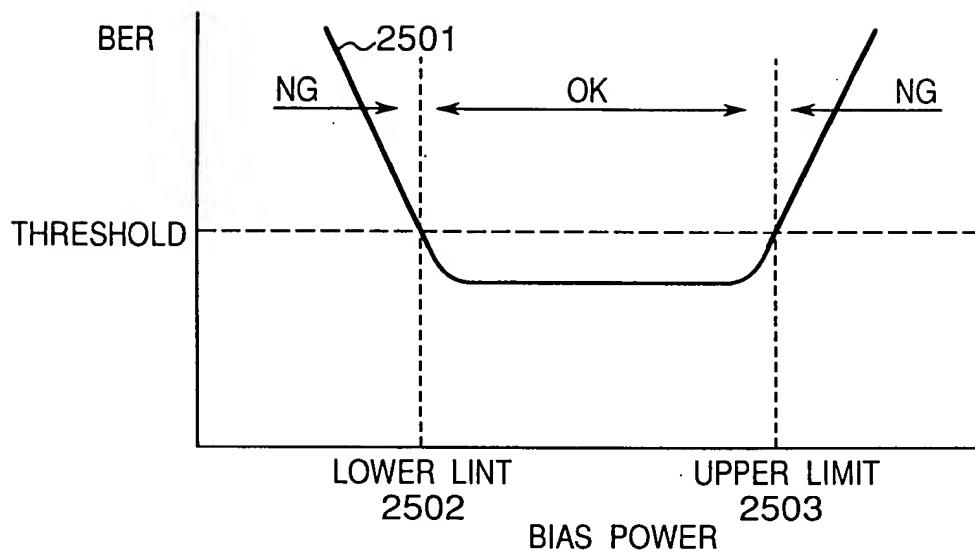


Fig.26

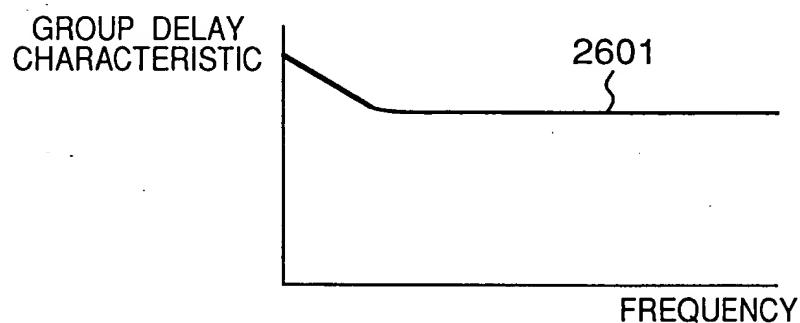


Fig.27

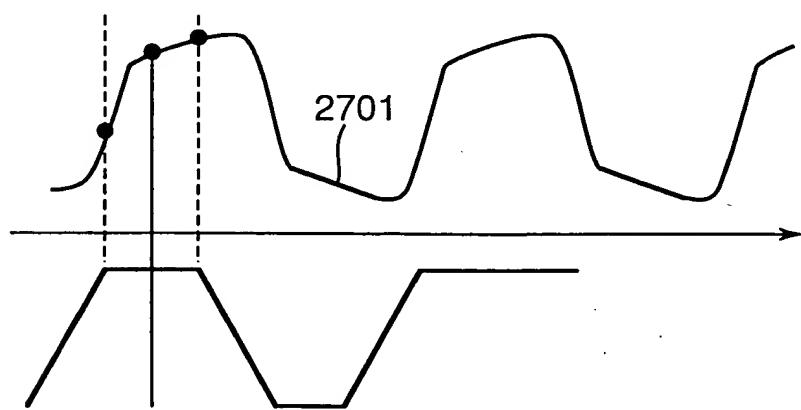


Fig.28A

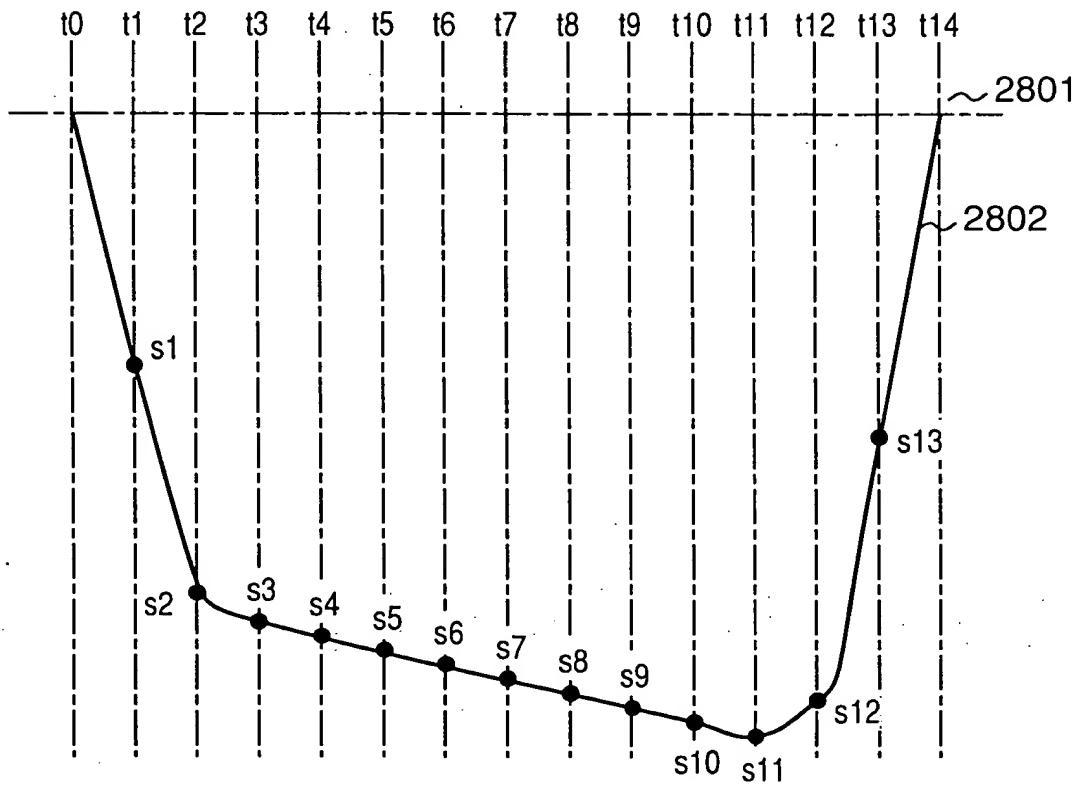


Fig.28B

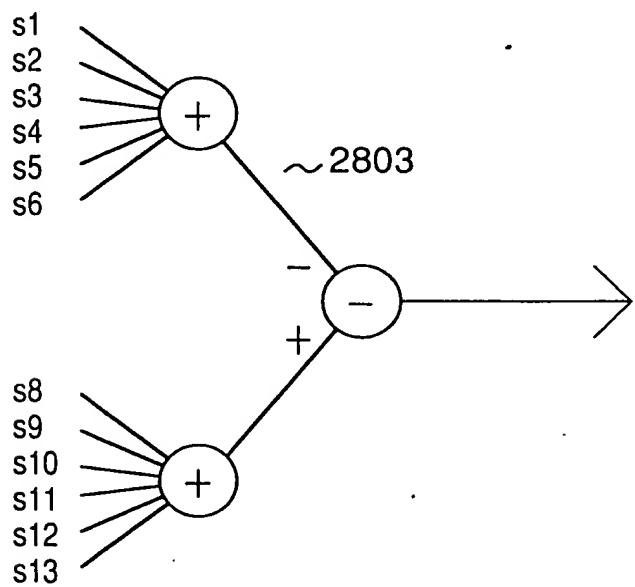


Fig.29A

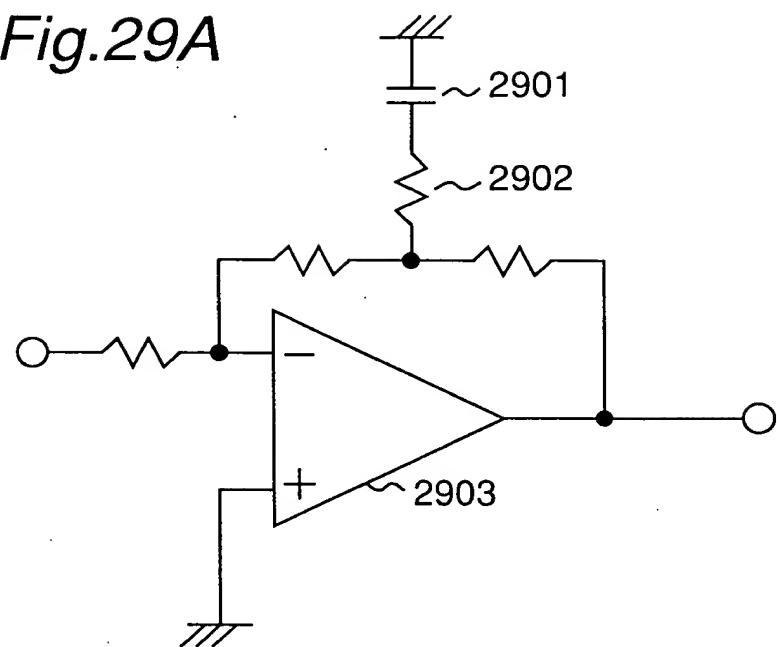


Fig.29B

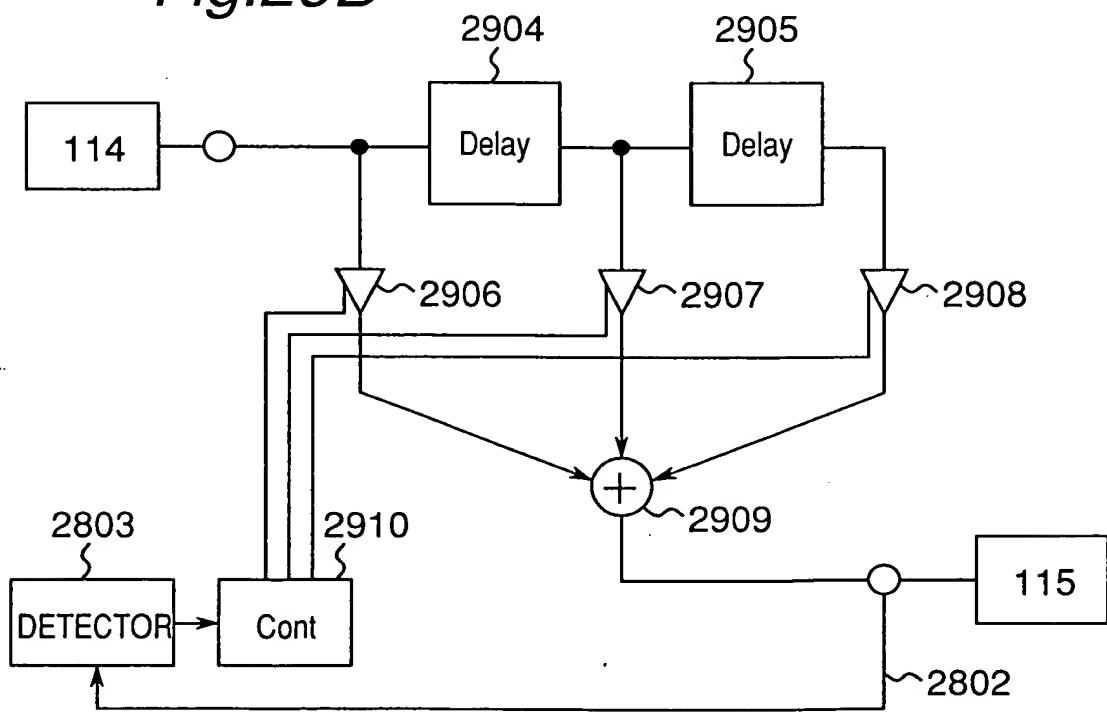


Fig.30

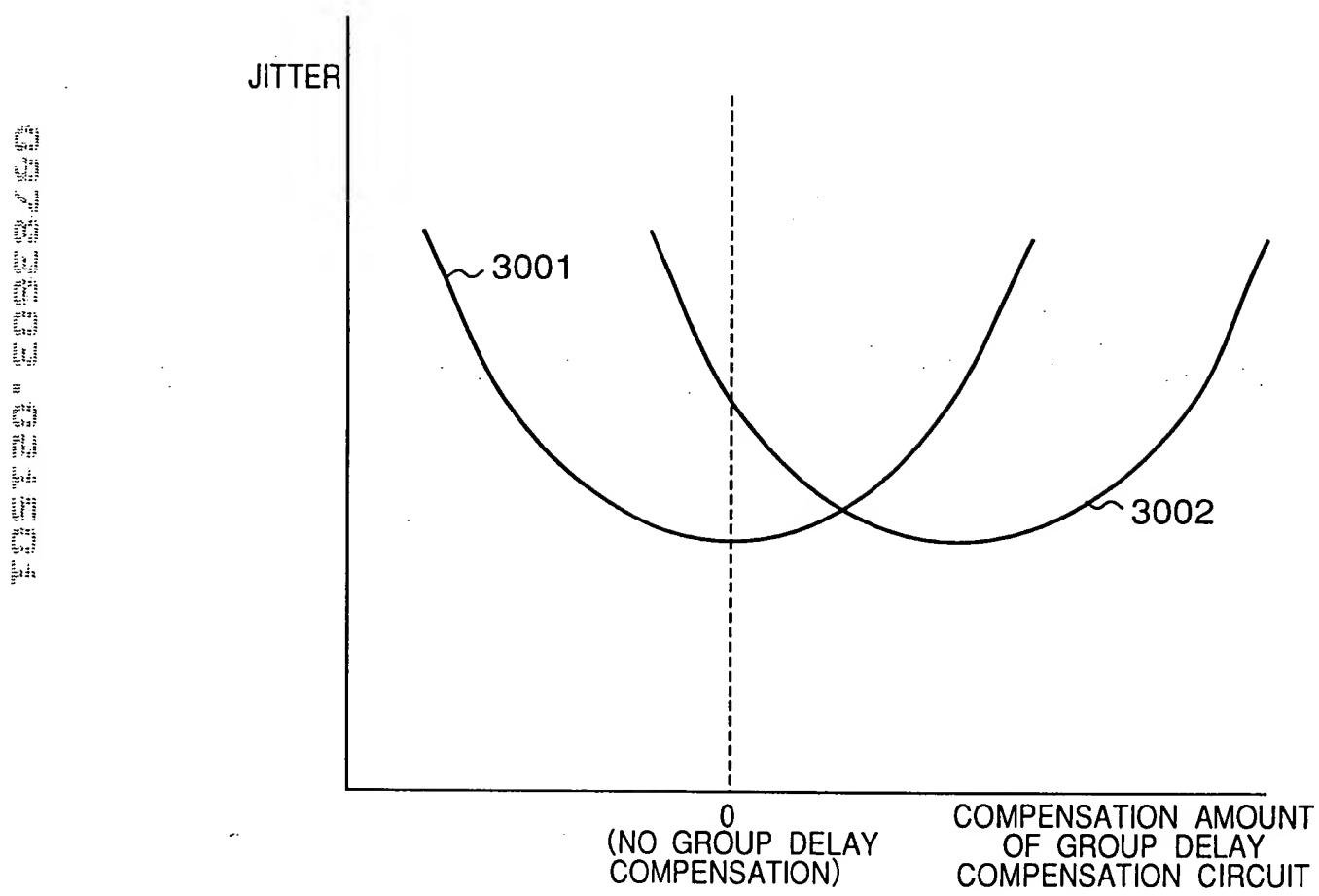


Fig.31A

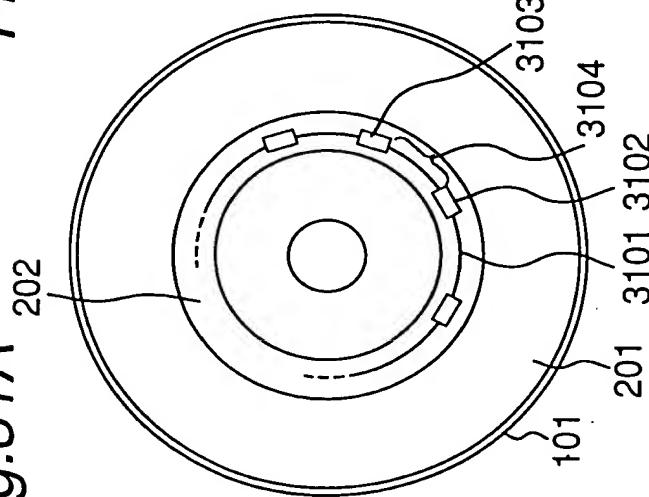


Fig.31B

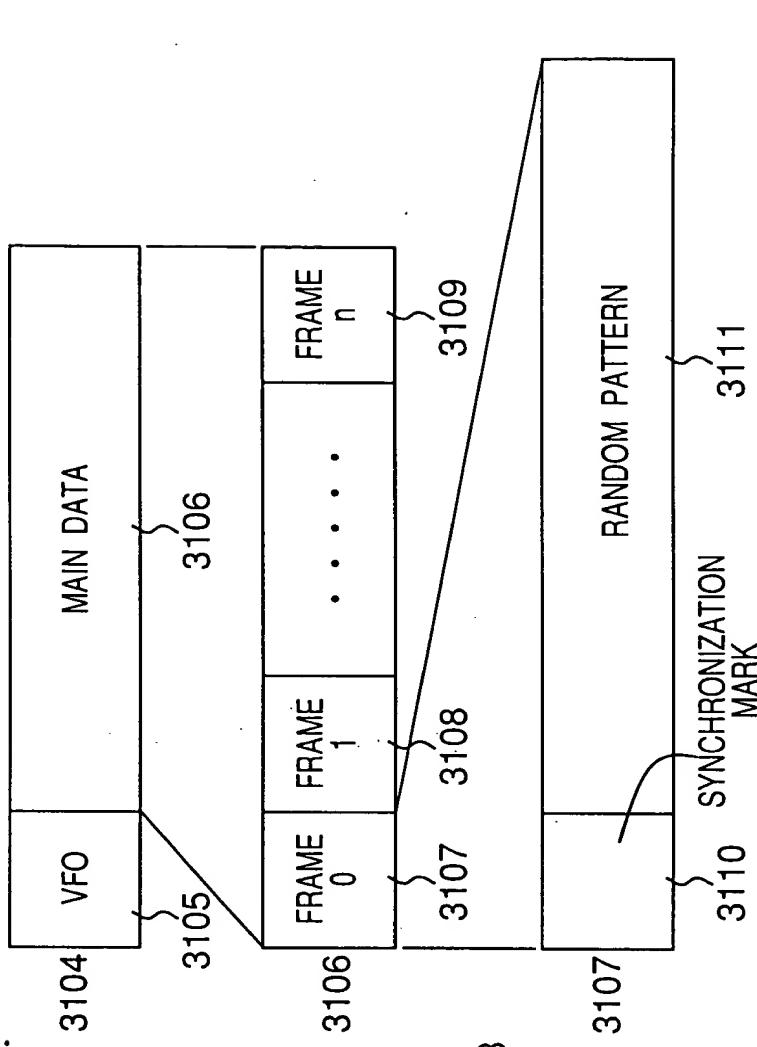


Fig.31C

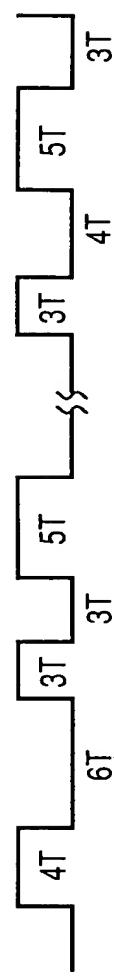


Fig.32

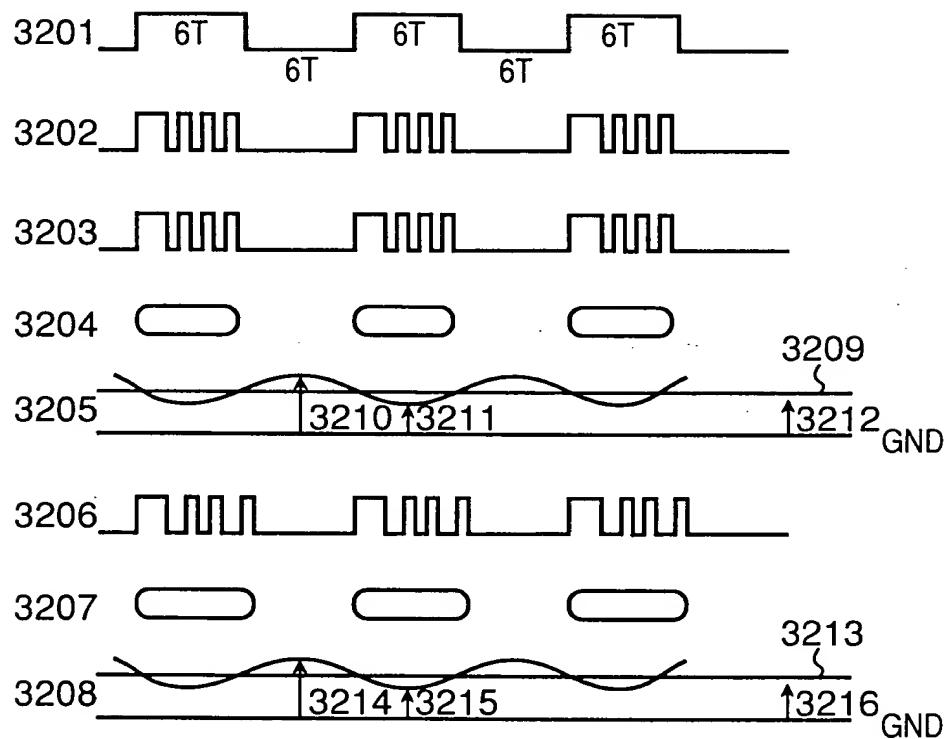


Fig.33

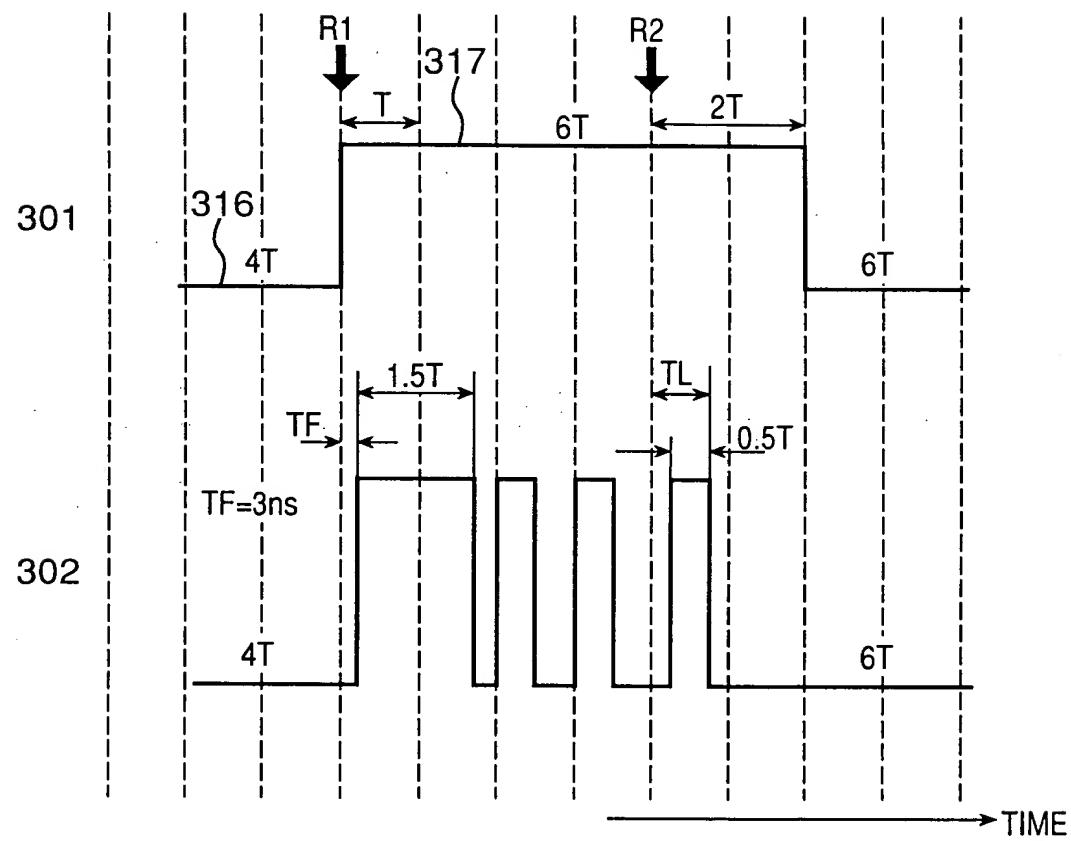


Fig. 34

INSIDE CIRCUMFERENCE SIDE	
PIT AREA	<p>INITIALIZATION ZONE</p> <p>CONTROL DATA ZONE</p> <p>DISC TYPE</p> <p>READ P</p> <p>PULSE ADJUSTMENT METHOD</p> <p>TEMPORARY P INFO (GEN)</p> <p>(PEAK P, BIAS P, MARGIN CONSTANT, ASYMMETRY)</p> <p>OPERATIONAL P INFO (GEN)</p> <p>(PEAK P, BIAS P, MARGIN CONSTANT)</p> <p>ASYMMETRY (GEN)</p> <p>PULSE POSITION INFO (GEN)</p> <p>DISC SPECIFIC INFO</p>
	REPEAT THE ABOVE FOR FAIL SAFE
MIRROR AREA	<p>CONNECTION ZONE</p> <p>GUARD TRACK ZONE 1</p> <p>DISC TEST ZONE 1</p> <p>DRIVE TEST ZONE1</p> <p>RECODER-SPECIFIC INFO</p> <p>RECORDING ZONE 1</p> <p>RECODER-SPECIFIC INFO 1</p> <p>TEMPORARY P INFO (UNIQUE)</p> <p>(PEAK P, BIAS P, MARGIN CONSTANT, ASYMMETRY)</p> <p>OPERATIONAL P INFO (UNIQUE)</p> <p>(PEAK P, BIAS P, MARGIN CONSTANT)</p> <p>PULSE POSITION INFO (UNIQUE)</p> <p>(ASYMMETRY)</p> <p>P MARGIN INFO</p> <p>RECODER-SPECIFIC INFO 2</p> <p>TEMPORARY P INFO (UNIQUE)</p> <p>(PEAK P, BIAS P, MARGIN CONSTANT, ASYMMETRY)</p> <p>OPERATIONAL P INFO (UNIQUE)</p> <p>(PEAK P, BIAS P, MARGIN CONSTANT)</p> <p>PULSE POSITION INFO (UNIQUE)</p> <p>(ASYMMETRY)</p> <p>P MARGIN INFO</p> <p>RECODER-SPECIFIC INFO n</p> <p>TEMPORARY P INFO (UNIQUE)</p> <p>(PEAK P, BIAS P, MARGIN CONSTANT, ASYMMETRY)</p> <p>OPERATIONAL P INFO (UNIQUE)</p> <p>(PEAK P, BIAS P, MARGIN CONSTANT)</p> <p>PULSE POSITION INFO (UNIQUE)</p> <p>(ASYMMETRY)</p> <p>P MARGIN INFO</p>
	REPEAT THE ABOVE FOR FAIL SAFE
RECORDING AREA	<p>DISC ERROR MANAGEMENT AREA 1</p> <p>DATA AREA</p>

Fig. 35

DATA AREA	
DISC ERROR MANAGEMENT AREA 2	
RECODER-SPECIFIC INFO 1	RECODER-SPECIFIC INFO 1 TEMPORARY P INFO (UNIQUE) (PEAK P, BIAS P, MARGIN CONSTANT, ASYMMETRY)
RECORDING ZONE 2	OPERATIONAL P INFO (UNIQUE) (PEAK P, BIAS P, MARGIN CONSTANT) PULSE POSITION INFO (UNIQUE) (ASYMMETRY) P MARGIN INFO
RECODER-SPECIFIC INFO 2	RECODER-SPECIFIC INFO 2 TEMPORARY P INFO (UNIQUE) (PEAK P, BIAS P, MARGIN CONSTANT, ASYMMETRY) OPERATIONAL P INFO (UNIQUE) (PEAK P, BIAS P, MARGIN CONSTANT) PULSE POSITION INFO (UNIQUE) (ASYMMETRY) P MARGIN INFO
	•
	•
	•
RECODER-SPECIFIC INFO 3	RECODER-SPECIFIC INFO 3 TEMPORARY P INFO (UNIQUE) (PEAK P, BIAS P, MARGIN CONSTANT, ASYMMETRY) OPERATIONAL P INFO (UNIQUE) (PEAK P, BIAS P, MARGIN CONSTANT) PULSE POSITION INFO (UNIQUE) (ASYMMETRY) P MARGIN INFO
REPEAT THE ABOVE FOR FAIL SAFE	
	DRIVE TEST ZONE 2
	DISC TEST ZONE 2
	GUARD TRACK ZONE 2
OUTSIDE CIRCUMFERENCE SIDE	

Fig.36

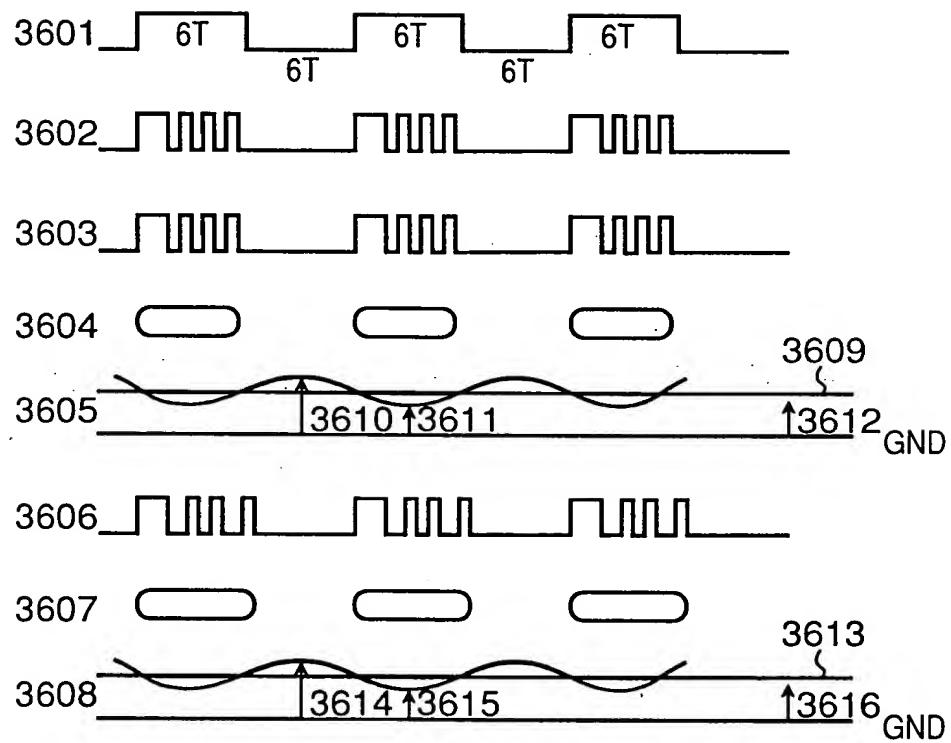


Fig. 37

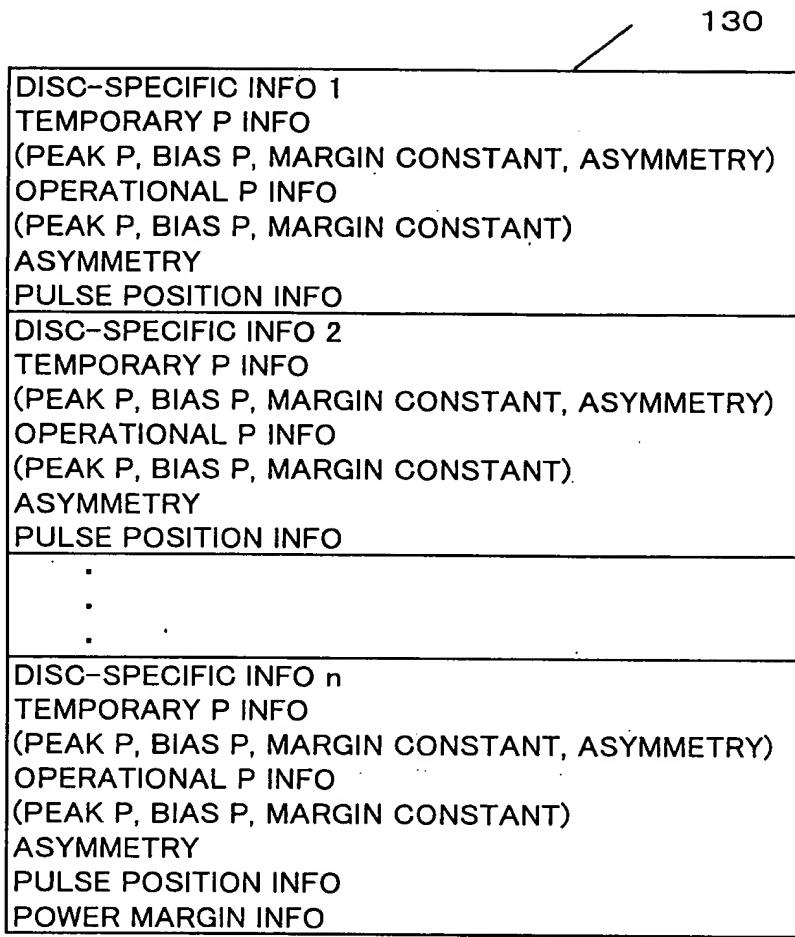


Fig. 38

DATA	ADJUSTMENT	1ST/LAST				TEST	RESULT	MEMORY 130			
		SP	TEMP	OP	ASYM			SP	1ST/ LAST	TEMP	OP
FIG. 2	201	△						202	△	△	△
FIG.12	1202	1203	△					1204	△	△	△
FIG.13	1302										
FIG.14	1402	1403									
FIG.15	1502										
FIG.16	1602	1603	△								
FIG.17	1702										
FIG.18	1802	1803	△								

DATA.....DATA AREA
ADJUSTMENT.....AREA FOR RECORDING ADJUSTMENT METHOD WITH EMBOSSED PITS
1ST/LAST.....AREA FOR RECORDING INFO OF MARK START/END POSITIONS WITH EMBOSSED PITS
TEST.....AREA FOR TEST WRITING FOR OBTAINING INFO OF MARK START/END POSITIONS, OPTIMUM POWER, ETC.
RESULT.....AREA FOR RECORDING THE TEST RESULTS
SP.....INFO SPECIFIC TO THE DISC
TEMP.....INFO OF TEMPORARY POWER LEVEL INCLUDING PEAK POWER, BIAS POWER, MARGIN CONSTANT,
AND ASYMMETRY FOR USE IN ADJUSTING 1ST AND LAST PULSE POSITIONS
OP.....INFO OF OPERATIONAL POWER LEVEL INCLUDING PEAK POWER, BIAS POWER AND MARGIN CONSTANT
FOR USE IN RECORDING DATA IN DATA AREA
ASYM.....INFO OF ASYMMETRY FOR USE IN DETERMINING THE INITIAL POSITION OF 1ST AND LAST PULSES
△.....OPTION

CONTROL DATA ZONE

TEST ZONE

DISC-SPECIFIC
INFO RECORDING ZONE